IL'IN, I.I.

Effect of food stimuli on the leukocyte count in human subjects. Report No.2: Relation of conditioned and complex reflex food leukocytosis to food excitation and original leukocyte count. [with summary in English]. Biul.eksp.biol. i med. 46 no.9: 39-42 S '58 (MIRA 11:11)

1. Iz psikhiatricheskogo sektora (zav. - prof. V.K. Fedorov) Instituta fiziologii imeni I.P. Pavlova, Leningrad. Predstavlena akademikom K.M. Bykovym.

(LEUKOCYTES, COUNT,
eff. of conditioned & complex reflex food stimulation (Rus))
(FOOD,
condition & complex reflex food stimulation, (Rus))

IL'IN, I.I.

I.P.Pavlov's theory of nervism and some problems of hepatology in clinical psychiatry. Vop.psikh.i nerv. 8:307-314 '62.
(MIRA 17:4)

1. Iz psikhiatricheskogo sektora (zav. prof. V.K.Fedorov) Instituta fiziologii imeni I.P.Pavlova AN SSSR (dir. akademik V.N.Chernigovskiy).

IL'IN, I.I.; DZYUBENKO, M.S.

Effect of electric shock therapy on the blood system in schizophrenic patients. Report No.2; Characteristics of conditioned changes in the blood system in schizophrenic patients treated with electric shock therapy. Vop.psikh.i nerv. 8:341-358 '62. (MIRA 17:4)

1. Iz psikhiatricheskogo sektora Instituta fiziologii imeni Pavlova AN SSSR i Psikhiatricheskoy bol'nitsy imeni Balinskogo, Leningrad.

IL'IN, I.I.; DZYUBENKO, M.S.; BARGMAN, B.B.

Sympathicoadrenal complex in man under prolonged (several hours) effect of aminazine. Biul. eksp. biol. i med. 59 no.4:66-68 Ap '65. (MIRA 18:5)

1. Laboratoriya patologii vysshey nervnoy deyatel'nosti cheloveka (zav. - prof. V.I. Butorin) Instituta fiziologii imeni Pavlova (dir. - akademik V.N. Chernigovskiy) i Psikhonevrologicheskaya bol'nitsa imeni Balinskogo (glavnyy vrach S.N. Popova), Leningrad.

FOTIYEV, S.M., kand.sel'skokhozyaystvennykh nauk; IL'IN, I.K., kand.yurid.nauk

Problems of land legislation. Zemledelie 6 no.12:69-75 D '58. (MIRA 11:12)

(Land tenure--Law)

IL'IN, I.M.

Business accounting is a method of reducing costs of construction.
Strei.pred.neft.prom.1 no.1:23-25 Mr '56. (MLRA 9:9)
(Construction industry--Costs)

IL'IN, I.M.

Control over the use and disbursement of wage funds in the construction industry. Stroi. pred. neft. prom. 3 no.2:17-18 industry. Stroi. pred. neft. prom. 3 no.2:17-18 F '58. (MIRA 11:4)
(Construction industry--Acounting) (Wages)

IL'IN, I.M.

Control over the disbursement of wage funds and the technique of calculating the payroll of crews assigned to multiple duties. Stroi. pred. neft. prom. 3 no.4:16-20 Ap '58. (MIRA 11:5)
(Wages) (Construction industry—Accounting)

IL'IN, I.M.

Economic problems discussed at the All-Union Builders' Conference.
Stroi. pred. neft. prom. 3 no.6 Je '58. (MIRA 11:7)
(Construction industry)

IL'IN, Ivan Mikhaylovich; YUNGEROV, A.A., red.; IL'IN, V.M., red.; LEYKIN, B.P., red.; MALYUGIN, V.I., red.; MASLOV, N.A., red.; USPENSKIY, V.V., red.; SHASS, M.Ye., red.; KUTSENOVA, A.A., red.izd-va; RYAZANOV, P.Ye., tekhn.red.

[Business accounting in building organizations] Khozialstvennyi raschet v stroitel'nykh organizatsiiakh. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 148 p. (MIRA 14:2)

(Construction industry--Accounting)

MATYUSHIN, Viktor Nikolayevich; IL'IN, I.M., red.; TRUKHANOVA, A.N., red.; IL'YUSHENKOVA, T.P., tekhn. red.

[The journal-voucher accounting system in construction organizations] Zhurnal'no-ordernaia forma schetovodstva v stroitel'nykh organizatsiiakh. Moskva, Iskusstvo, 1963. 222 p. (MIRA 17:3)

IL'IN, I. P.

6873. Kronkaln, L. A., Il'kn, I. P. i Kudryavtsev, I. I. Opyt starshego mashinista V. E. Vladykina po udlineniyu probegov elektrovoza mezhdu remontami. M., (Transzheldorizdat), 1954. 22s. 21sm. (Vsesoyuz. Nauch.-issled. in-t zh.-d. Transporta. Glav. Upr. Lokomotivnogo khozyaystva MPS. Inform. pis'mo No. 322). 2.000 ekz. Bespl. -- Sost. ukzany na oborate tit. l. -- (54-15538zh) 621.335.2st

SO: Knizhnaya Letopis' No. 6, 1955

in file, l.t.

112-2-3474

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 2, p. 138 (USSR)

AUTHOR: Il'yin, I.P.

TITLE: Possibilities of Expanding Railroad Electrification and the Fundamental Problems of Modernizing Electric Traction Equipment (Perspektivy razvitiya elektrifikatsii zheleznykh dorog i osnovnyye zadachi modernizatsii tyagovogo elektrooborudovaniya)

PERIODICAL: In Sbornik: Materialy nauch.-tekhn. soveshchaniya po tyagovomu elektrooborudovaniiyu, Noyabr' 1953, Riga, 1955, pp. 7-17

Card 1/3

112-2-3474

Possibilities of Expanding Railroad Electrification (Cont.)

ABSTRACT: In noting the progress of railroad electrification in the USSR from the year 1929 on, it can be ascertained that in the tempo of operations and the length of lines which have been changed over to electric traction the Soviet Union has occupied first place in the world. During 25 years of experience in operating electric railroads, electric traction has demonstrated a number of advantages: throughput and carrying capacity increased 150 to 200 per cent without laying double tracks; the possiblity of using double and triple train formations, according to the system of multiple-unit trains, with two or three electric locomotives; a saving in operating costs of 25 to 40 per cent as compared with steam traction (on certain line sections operating expenses have been reduced 50 per cent); a smaller locomotive park and reduced number of crews (one 22 electric locomotive replaces two to three series steam locomotives, and two three-car electric trains replace three steam locomotives and 25 cars), fuel consumption reduced 2 to 2.5 times in comparison with fuel consumption for steam traction (the efficiency of the electric locomotive is 15 to 17 per cent, while the efficiency of steam locomotives

Card 2/3

Possibilities of Expanding Railroad Electrification (Cont.)

is 6 to 8 per cent), etc. At the present time work is in progress on the electrification of the main railroads in the Urals, Siberia, Kuzbas and other heavily-travelled main lines, and suburban lines as well. The principal problems in the electrification of railroads at present are choice of the kind of current and magnitude of line voltage; protecting railroad communication lines from the inductive effect of the traction network, the development of powerful new electric locomotives and high-speed motorcar trains; the production of single phase, 50 cycle traction electric motors; improving the production technique of electrical equipment and individual units of rolling stock, the development of new types of electronic converters which can work in inverter circuits, etc. (The administration of electric railway rolling stock TSU MPS).

I.V.I.

Card 3/3

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GAINYEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, E.N.; ZAKHAROV, P.M.; KOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KOETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, F.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOY, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITNIK, M.D.; TETERIN, B.K.; TSETVERIN, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADELUNG, N.N., retsenzent; AFANAS'YEV, Ye.V, retsenzent; VLASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREBIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TEREMIN, D.F., retsenzent; TIKHOMIROV, I.G., retsenzent; URBAN, I.V., retsenzent; FIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent, SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A, redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POKHODIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BAHNLYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DERIBAS, A.T., redaktor; DOMBROVSKIY, K.I., redaktor; KOSHEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

ALFEROV, A.A. ---- (continued) Card 2.
MOSKVIN, G.N., redaktor; RUBINSHTEYN, S.A., redaktor; TSYPIN, G.S., redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor; CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A., redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika, Izd. 3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta. (Railroads)

ZAKHARCHENKO, D.D,dotsent, kandidat tekhnicheskikh nauk; ISAYEV, I.P., dotsent, kandidat tekhnicheskikh nauk; KALININ, V.K.,inzhener; KREST'YANOV, M.Ye.,dotsent, kandidat tekhnicheskikh nauk; LAKSHTOVSKIY, I.A.,dotsent, kandidat tekhnicheskikh nauk; MARKVARDT, K.G.,professor, doktor tekhnicheskikh nauk; MEDEL', V.B., professor, doktor tekhnicheskikh nauk; MIRONOV, K.A.,inzhener; MIKHAYLOV, N.M.,dotsent, kandidat tekhnicheskikh nauk; NAKHODKIN, M.D., dotsent, kandidat tekhnicheskikh nauk; OZEMBLOVSKIY, Ch.S., inzhener; OSIPOV, S.I.,inzhener; ROMASHKOV, S.G.,inzhener; SOKOLOV, L.S.,inzhener; FAMINSKIY, G.V.,kandidat tekhnicheskikh nauk; SHATSILLO, A.A.,inzhener; SHLYAKHTO, P.N.,dotsent, kandidat tekhnicheskikh nauk; BOVE, Ye.G.,kandidat tekhnicheskikh nauk, retsenzent; PERTSOVSKIY, L.M.,inzhener, retsenzent; ALEKSEYEV, A.Ye.,professor, doktor tekhnicheskikh nauk, retsenzent; BATALOV, N.M.,inzhener, retsenzent; VINBERG, B.N.,inzhener, retsenzent; GRACHEVA, L.O., kandidat tekhnicheskikh nauk, retsenzent; YEVDOKIMOV, A.M., inzhener, retsenzent; KALININ, S.S.,inzhener, retsenzent; TRAKHTMAN, L.M.,kandidat tekhnicheskikh nauk,retsenzent; PYLENKOV, A.P.,inzhener, retsenzent; GOKHSHTEIN, B.Ya.,kandidat tekhnicheskikh nauk, retsenzent; IL'IN, I.P.,inzhener, retsenzent; NAKHODKIN, M.D.,dotsent, kandidat tekhnicheskikh nauk, retsenzent; TISHCHENKO, A.I.,otvetstvennyy redaktor; EMSHEVICH, I.I., kandidat tekhnicheskikh nauk, redaktor; ZOROKHOVICH, A.Ye.,dotsent kandidat tekhnicheskikh nauk, redaktor; LUTSENKO, Ye.G.,inzhener, redaktor; MOGOZHIN, A.P.,inzhener, redaktor; SIDOROV, N.I., inzhener, redaktor; VERINA, G.P.,tekhnicheskiy redaktor

(Continued on next card)

ZAKHARCHENKO, D.D.---(continued) Card 2.

[Technical manual for railroad workers] Tekhnicheskii spravochnik zheleznodorozhnika. Red. kollegiia R.G. Granovskii i dr. Moskva, Gos. transp. zhel-dor. izd-vo. Vol. 9.[Electric railroad rolling stock] Elektropodvizhnoi sostav zheleznykh dorog. Otv. red. toma A.I. Tishchenko. 1957. 652 p. (MLRA 10:4)

1. Chlen-korrespondent Akademii nauk SSSR. (for Alekseyev)
(Electric railroads--Rolling stock)

IL'IN, I.P., inzhener.

The ChS1 electric locomotive for passenger trains. Elek.i tepl. tiaga no.9:8-12 S '57. (MIRA 10:10)
(Electric locomotives)

IL'IN, I.P.

The M60 electic a.c. locomotive. Biul. tekhn.-ekon. inform. no.8:70-73 '58. (MIRA 11:10)
(Electric locomotives)

30485
S/194/61/000/008/036/092
D201/D304

13,2000

AUTHORS: Yagodkin, I.A. and Il'in, I.P.

TITLE: An electromechanical sinewave device

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 40, abstract 8 V310 (Sb. tr. Leningr. mekhan. in-ta, 1960, no. 12, 92-95)

TEXT: The voltage which is usually being applied during experiments to the input of the follow-up systems (a sine-drive), has the form of a sinewave. The electromechanical arrangement is described of an instrument designed for the above purpose. The amplitude and period of the sine-drive are determined by two linear rotating transformers (LRT). The voltage of one of the LRT is applied to the input of a velocity follow-up system. The motor of the latter rotates a sine-cosine revolving transformer (SCRT) with a speed corresponding to the period of the sine-drive. The voltage amplitude at the SCRT output is controlled by another LRT which

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An electromechanical... S/194/61/000/008/036/092
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feeds the SCRT. The SCRT voltage is applied to the position follow-up system which operates the pickup connected to the follow-up system being analyzed. The instrument provides also for a constant speed of pickup rotation. [Abstracter's note: Complete translation]

Card 2/2

IL'IN, I.P., inzh.

Series K a.c. locomotive with silicon power rectifiers.
Elek.i tepl. tiaga 5 no.11:35-37 N '61. (MIRA 14:11)
(Electric locomotives)

IL'IN, I.P.

The ER-10 electric train. Biul.tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. no.9:65-67 '62. (MIRA 15:9)
(Electric railroads--Equipment and supplies)

IL'IN, I.P., inzh.

Series K a.c.electric locomotive with silicon rectifiers. Elek.i tepl.tiaga 6 no.1:32-37 Ja '62. (MIRA 15:1)
(Electric locomotives)
(Electric current rectifiers)

DYMAN, Z.L.; MAZO, S.Ya.; IL'IN, I.P., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Contactors and switches for d.c. electric trains] Kontaktory i perekliuchateli elektropoezdov postoiannogo toka. Moskva, Transzheldorizdat, 1963. 151 p. (MIRA 17:2)

ZALESSKIY, L.G., inzh.; SREBNYY, Yu.L., inzh.; IL'IN, I.P., inzh., retsenzent; SKLYAROV, Yu.N., inzh., red.; DROZDOVA, N.D., tekhn. red.

[Electric circuits of the ER1 and ER2 electric trains] Elektricheskie skhemy elektropoezdov ER1 i ER2. Moskva, Transzheldorizdat, 1963. 69 p. (MIRA 17:2)

IL'IN, I.R.

Methods of determining total soil moisture under various tillage systems [with summary in English]. Pochvovedenie no. 6:105-114 Je '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedniya, Laboratoriya obrabotki pochvy.
(Soil moisture)
(Tillage)

IL'IN, I. R., Cand Agri Sci — (diss)"Water regimen of chernozem soils of Kustanay Oblast at various depths of treatment," Moscow, 1960, 23 pp (All-Union Academy of Agricultural SCiences im V. I. Lenin. All-Union Sci-Res Institute of Fertilizers and Agro-soil Sciences - VIUA) (KL, 35-60, 125)

KOZMA, I.; BAGAYEV, V.P. [translator]; IL'IN, I.S. [translator]; PETROV, I.A. [translator]; LEPNIKOVA, Ye., red.; DUDNICHENKO, E., mashi. red.; NOGINA, N., tekhn. red.

[Agriculture of the Rumanian People's Republic on the way to socialism] Sel'skoe khoziaistvo Rumynskoy Narodnoi Respubliki na puti sotsializma. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961. 99 p. (MIRA 14:10)

(Rumania—Agriculture)

IL'IN, I.V., dotsent

Coefficient of the filling of the fabric. Tekst. prom. 22 no.7:37-39 Jl '62. (MIRA 17:1)

1. Kostromskiy tekstil'nyy institut.

132-58-2/17

AUTHORS: Il'in, I.V., Kuryleva, N.A., Popugayeva, L.A. Cigal, Ya.B.

TITLE: Chrisolites from the Kimberlite Tubular Columns of Yakutiya as Precious Stones for the Jewelry Industry (Khrizolity kimberlitovykh trubok Yakutii kak dragotsennyye kamni dlya yuvelirnoy promyshlennosti)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 2, pp 8-9 (USSR)

ABSTRACT: During the exploitation of diamond-bearing kimberlite tubular columns in Yakutiya, crystals of pure clivine - chrisolites - are often found. Technological examination of these chrisolites confirmed their importance for the jewelry industry.

ASSOCIATION: VSEGEI

Card 1/1 1. Industry-USSR 2. Jewelry

IL'IN, I.V.

Geometric structure of one-ply fabrics. Izv.vyz.ucheb.zav.;tekh.tekst. prom. no.5:61-66 '60. (MIRA 13:11)

1. Kostromskoy tekstil'nyy institut.
(Textile fabrics)

IL'IN, I.V.

Cesarian section and management of subsequent pregnancy and labor [with summary in English]. Akush. i gin. 33 no.3:27-34 My-Je '57. (MLRA 10:8)

1. Iz akusherako-ginekologicheskoy kliniki (dir. - prof. L.S. Persianinov) Minskogo meditsinskogo instituta

(CESAREAN SECTION
eff. on subsequent pregn. & delivery (Rus))

IL'IN, I. V. Cand Med Sci -- (dss) "On the conduct of pregnancy and labor in women who have undergone a Cesarean section." Minsk, 1958. 20 pp (Minsk State Med Inst), 200 copies (KL, 11-58, 121)

GOFMAN, G.Ye., prof.; ZHELEZNOV, B.I., kand. med. nauk; KLENITSKIY, Ya.S., prof.; LEL'CHUK, P.Ya., prof.; MARKINA, V.P., dots.; NOVIKOVA, L.A., prof.; PETROVA, Ye.N., prof.; POKROVSKIY, V.A., prof.; FRINOVSKIY, V.S., prof.; PERSIANINOV, L.S., prof., otv. red.; IL'IN, I.V., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Medgiz. Vol.5.[Tumors of female genitalia] Opukholi zhenskikh polovykh organov. 1962. 314 p. (MIRA 16:8)

1. Chlen-korrespondent AMN SSSR (for Novikova, Persianinov).
(GENERATIVE ORGANS, FEMALE--TUMORS)

IL'IN, I.V.; PERSIANINOV, L.S.; SAVEL'YEVA, G.M.

Electrocardiography of the fetus in the obstetrics clinic. Vest. AMN SSSR 17 no.11:36-40 '62. (MIRA 16:1)

1. Kafedra akusherstva i ginekologii lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni Pirogova.
(ELECTROCARDIOGRAPHY) (FETUS)

IL'IN, I.V.; KARPMAN, V.L.; SAVEL'YEVA, G.M.

Dynamics of heart activity in the fetus and newborn the infant. Vop. okhr. materin. dets. 8 no.1:25-31 '63
(MIRA 17:2)

1. Iz kafedry akusherstca i ginekologii (zav. - chlen-korrespondent AMN SSSR L.S. Persianov) II Moskovskogo meditsinskogo instituta imeni Pirogova i laboratorii klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye.B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - desystvietel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR.

PERSIANINOV, L.S.; IL'IN, I.V.; SAVEL'YEVA, G.M.; CHERVAKOVA, T.V.

Modern methods for diagnosing intrauterine asphyxia during labor.
Akush. i gin. no.6:3-12 N-D '63. (MIRA 17:12)

1. Iz kafedry akusherstva i ginekologii (zav. - chlen korrespondent AMN SSSR prof. L.S.Persianinov) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

BELYAYEV, Ye.I., prof. [deceased]; BADYUK, Ye.Ye.; BOGOROV, I.I., prof.; BUBLICHENKO, L.I., prof.[deceased]; IL'IN, I.V., dots.; KEYLIN, S.L., prof.; MAZHBITS, A.M., prof.; MALININ, A.I., zasl. deyatel' Kaz.SSR, prof.; MOSHKOV, B.N., prof.; NIKOLAYEV, A.P., prof.; PERSIANINOV, L.S., prof.; POKROVSKIY, V.A., prof.; POLYAKOVA, G.P., kand. med. nauk; RAFAL'KES, S.B., dots.; KHASKIN, S.G., prof.; SHTERN, I.A., prof.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Meditsina. Vol.3. Book 2. [Pathology of the labor and postnatal period. Physiology and pathology of the newborn infant] Patologiia rodov i poslerodovogo perioda. Fiziologiia i patologiia novorozhdennogo. Pt.1.[Pathology of labor] Patologiia rodov. 1964. 495 p. (MIRA 17:7)

1. Chlen-korrespondent AMN SSSR (for Persianinov). 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

IL'IN, I.V.

Construction of linen fabrics taking the structural phase into account. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.5:61-67 '64.
(MIRA 18:1)

1. Kostromskoy tekhnologicheskiy institut.

PERSIANINOV, L.S.; IL'IN, I.V.; MEYTINA, R.A.; SAVEL'YEVA, G.M.; CHERVAKOVA, T.V.

Comparative study of gas exchange in the fetus under normal and pathologic conditions. Akush. i gin. no.1:3-9 '65. (MIRA 18:10)

1. Kafedra akusherstva i ginekologii (zav.- chlen-korrespondent AMN SSSR prof. L.S. Persianinov) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni Pirogova i Laboratoriya funktsional'noy diagnostiki (zav.- kand. med. nauk G.G. Gel'shteyn) Instituta serdechno-sosudistoy khirurgii (dir.- prof. S.A. Kolesnikov) AMN SSSR.

ILIN, I.Ya.

Studying the tension of tow rayon in the cutting machine for staple made from synthetic fibers. Izv. vys. ucheb. zav.; tekh. teks. prom. no. 2:128-135 '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tekstil'nogo i legkogo mashinostroyeniya.
(Rayon) (Textile machinery)

IL'IN, K.; GIRYHERMAN, B.

Demonstration building of a blast furnace. Stroitel' 2 no.7:4-5 Jl '56. (MIRA 10:1)
(Dneprodzerzhinsk--Blast furnaces)

IL'IN, K.

Temperature regulating device. Radio no.12:43-44 D '64. (MIRA 18:3)

IL'IN, K. B.

"The Tectonic Regionalization of Korea"

report presented at the First All-Union Conference on the Geology and Metallurgy of the Pacific Ocean Ore Belt, Vladivostok, 2 October 1960

So: Geologiya Rudnykh Mestorozhdeniy, No. 1, 1961, pages 119-127

IL'IN, K.B.

Tectonic division and characteristics of the distribution of minerals in Korea. Sov.geol. 5 no.5:114-130 My '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
(Korea, North--Geology, Structural)
(Korea, North--Minerals)

IL'IN, K.B.; MASAYTIS, V.L.; PUTINTSEV, V.K.; SINITSKIY, S.Ye.

Pre-Cambrian of northeastern Korea. Sov.geol. 5 no.9:147-150 S '62. (MIRA 15:11)

(Korea, North—Geology, Stratigraphic)

IL'IN, K.B.

Metallogenetic regionalization of the Korean People's Democratic Republic. Trudy VSEGEI 100:76-93 '63. (MIRA 17:3)

IL'IN, K. G.

Il'in, K. G. and Semchenko, D. P. - "The balance of the process of electrolysis of dilute solutions of hydrochloric acid", Trudy Novocherkas. politekhn. in-ta im. Ordzhonikidze, Vol. XIX, 1948, p. 95-105, - Bibliog: 10 items.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

Il'in K. G.

B-12

USSR/Physical Chemistry. Electrochemistry.

Abs Jour : Ref Zhur - Khimiya, No 7, 1957, 22510.

Author : Communication of I. Il'in K. G., Communication 2 Il'in K. G., Skripchenko V. I.

Inst : Not given

Title : About the Influence of the Nature of Electrolyte Cation on Anodic Process in Electrolysis of Chloride Solutions without a Membrane.

Orig Pub : Nauch, tr. Novocherkas. politekhn. in-ta, 1956, 34 (48) 33-37, 39-45.

Abstract : I. The influence of different factors on anodic processes is examined, in particular on output of perchlorate in electrolysis of aqueous solutions of alkali and alkali earth metals and clorides in electrolytic cells without a membrane. The influence of the nature of cation of metal entering into initial salt composition on perchlorate output, in the opinion of the authors, is dependent on the differences in degrees of completeness of reactions of interaction of the electrolysis products: chlorine and hydroxide. These differences, in their turn, are the result of different solubility of hydroxides of various metals.

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B-12

USSR/Physical Chemistry. Electrochemistry.

Abs Jour : Ref Zhur - Khimiya, No 7, 1957, 22510.

II. Electrolysis was studied of neutral aqueous solutions of Li,K,Na, Mg,Ca,Sr,Ba chlorides (1.0 and 3.6n) at 25° with the utilization of electrodes from Pt-tinplate and electrolytic cell without membrane at the current density of 0.5 a/cm^2. $K_2Cr_2O_7$ was also introduced into the chloride solutions (with the exception of $BaCl_2$). Data were collected on the basis of electrolysis products analysis specifying the distribution of quantity of electricity needed for the formation of hypochlorite, chlorite, perchlorite, oxygen, chlorine, and for cathodic reduction of electrolysis products; also data characterizing the course of anodic processes in time. The results of anodic processes for LiCl, NaCl, $SrCl_2$ and for KCl in the initial stage of electrolysis do not differ substantially. At the same time, as a result of anodic processes, individual peculiarities were uncovered for other chlorides, which the authors are attributing to diverse solubilities of electrolysis products, principally hydroxides of respective metals.

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B-12

Il'in, K.G.

USSR/Electrochemistry

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26317

Author : D.P. Semenchenko, K.G Il'in
Inst : Novocherkassk Polytechnical Institute.
Title : Concerning an Incorrect Deduction of M. LeBlanc

Orig Pub : Nauch. tr. Novocherkas. politekhn. in-ta, 1956, 34, (48), 61-62

Abstract : The authors' experimental data concerning the yield of oxygen and chlorine are given; they have been obtained by the electrolysis of HCl solutions (0.016 to 2.000 n.) using smooth Pt anodes and current densities of 0.05, 0.1 and 0.2 a per sq.cm at 25°. On the basis of an analysis of their own and bibliographical data, the authors note that a simultaneous liberation of chlorine and ozygen takes place, when diluted HCl solutions are electrolysed, and they consider that this fact disproves the known assertion of M. Le Blanc (Rukovodstvo po elektrokhimii, Giz. M.-L., 1930, 366) that the only anode process at the electrolysis of diluted HCl solutions is the separation of oxygen.

Card : 1/1

SEMCHENKO, D.P., professor, doktor tekhnicheskikh nauk; IL'IN, K.G., dotsent, kand.khimicheskikh nauk

Investigating the anodic oxidation of chlorine ions into perchlorate anions. Trudy NPI 47:139-149 '58. (MIRA 13:5)

1. Novocherkasskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni Sergo Ordzhonikidze, kafedra fizicheskoy i kolloidnoy khimii (for Semchenko). 2. Novocherkasskiy ordena Trudovogo Krasnogo Znameni politekhnicheskogo instituta imeni Sergo Ordzhonikidze; kafedra tekhnologii neorganicheskikh veshchestv (for Il'in)

(Chlorine) (Perchlorate) (Oxidation, Electrolytic)

SUNDUKOVA, I.D.; IL'IN, K.G.; VANINA, T.F.

Mutual solubility in the ternary system $LiCl - LiClO_4 - H_2O$. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.3:360-364 '64. (MIRA 17:10)

1. Novocherkasskiy politekhnicheskiy institut imeni Ordzhonikidze, kafedra tekhnologii neorganicheskikh veshchestv.

IL'IN, K.G.; SKRIPCHENKO, V.I.

Kinetics of the electrochemical formation of higher oxygen compounds of chlorine. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.4:572-576 '64. (MIRA 17:12)

1. Kafedra tekhnologii neorganicheskikh veshchestv Novocherkasskogo politekhnicheskogo instituta imeni S. Ordzhonikidze.

IL'IN, K.I.

KRISYUK, E.M.; VITMAN, A.D.; VOROB'YEV, V.D.; VOROB'YEV, I.V.; IL'IN, K.I.; LATYSHEV, G.D.; LISTENGARTEN, M.A.; SERGEYEV, A.G.

Internal conversion in the Pb^{208} atom in 2615 kev transitions. Izv.AN SSSR.Ser.fiz.20 no.8:883-890 Ag '56. (MLRA 9:12)

1. Kafedra fiziki Leningradskogo instituta inzhenerov zheleznodorozhnogo transporta imeni V.N.Obraztsova.
(Lead--Isotopes)

Il'in, K.I.

48-7-6/21

AUTHORS: Vorob'yev, V.D., Il'in, K.I., Kol'chinskaya, T.I., Latyshev, G.D., Sergeyev, A.G., Trofimov, Yu.N., Fadeyev, V.I.

TITLE: The Spectrum of the Electrons of the Internal Conversion of Active Radium-Containing Thorium Deposits
III(Domain $H\rho$ = 1380 to 2700 and 3500 to 9000 Gs. cm.)
(Spektr elektronov vnutrennego konversii aktivnogo osadka radiotoriya
III(Oblast' $H\rho$ = 1380 do 2700 i 3500 do 9000 Gs. cm) toriya)

PERIODICAL: Izvestiya Akad. Nauk SSSR, Ser. Fiz. , 1957, Vol. 21, Nr 7, pp. 954 - 961 (USSR)

ABSTRACT: 1.) The intensities of the conversion lines. In the determination of the relative intensities of conversion lines the fact was taken into account that a portion of the atoms ThC' falls down from the source due to the α-emission on the decay ThC' $\xrightarrow{\alpha}$ ThC". This circumstance leads to the fact that the intensity of all conversion lines developing on the decay ThC' $\xrightarrow{\beta}$ ThD decrease by 30 % in comparison with the intensity of the lines of other nuclei. Therefore the intensities of all lines which develop in connection with the decay ThC" $\xrightarrow{\beta}$ ThD were determined with regard to the line L which develops in the same decay. The

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The Spectrum of the Electrons of the Internal Conversion of Active Radium-Containing Thorium Deposits
III(Domain Hρ = 1380 to 2700 and 3500 to 9000 Gs. cm.)

intensities of the other lines were determined with regard to the I-line ThB → ThC. In order to connect all intensities with each other the relation of the L - and I - line intensities to the source was determined , the latter being covered by a foil in order to prevent a falling down of the emission atoms. Detailed calculations and explanations are given. The authors estimate the accuracy of their measuremtns of the absolute intensities with 5 - 10 % for the intensive lines.

2.)The conversion spectrum in the domain Hρ = 1380 to 2600 Gs.cm
In the study of this portion of the spectrum 3 series of measurements were made. In every series the position and intensities of the lines were determined. The average values of Hρ and of the intensities are given in table 1, as well as the energy of the electrons and of the corresponding γ-transitions, the identification of the lines and comparative values of earlier works. It may be seen that the values obtained by the authors for Hρ and for the intensities differ markedly from earlier obtained values, where a photorecording of the electrons had been employed. Figures 1, 2, 3 and 4 represent some parts of the spectra of

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48-7-6/21

The Spectrum of the Electrons of the Internal Conversion of Active Radium-Containing Thorium Deposits
III(Domain $H\rho$ = 1380 to 2700 and 3500 to 9000 Gs. cm.)

conversion electrons in the domain $H\rho$ = 1380 ÷ 2600 Gs. cm.

3.) The conversion spectrum in the "rigid" domain. Certain lines discovered by the authors are recorded on figures 5, 6 and 7, their energies and intensities on table 2. There are 2 tables, 7 figures and 16 references, 8 of which are Slavic.

ASSOCIATION: Department of Physics, Leningrad Institute of Railroad Transportation Engineers
(Kafedra fiziki Leningradskogo instituta inzhenerov zheleznodorozhnogo transporta)

AVAILABLE: Library of Congress

Card 3/3

Ilin, K.I.

VOROB'YEV, V.D.; ILIN, K.I.; KOL'CHINSKAYA, T.I.; LATYSHEV, G.D.; SERGEYEV, A.G.; TROFIMOV, Yu.N.; FADEYEV, V.I.

Spectra of internal conversion electrons of active radiothorium deposits. Part 3: The range Hρ = 1380-2700 and 3500-9000 Gs.cm. Izv. AN SSSR. Ser. fiz. 21 no.7:954-961 Jl '57. (MLRA 10:9)

1. Kafedra fiziki Leningradskogo instituta inzhenerov zheleznodorozhnogo transporta.
(Radiothorium--Spectra)

KRISYUK, E.M.; SERGEYEV, A.G.; LATYSHEV, G.D.; IL'IN, K.I.; FADEYEV, V.I.

The decay scheme of Tl^{208}. Zhur. eksp. i teor. fiz. 33 no. 5:1144-1146 N '57. (MIRA 11:3)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta.
(Thallium--Isotopes)

Il'in, K. I.

AUTHORS: Krisyuk, E. M., Sergeyev, A. G., Latyshev, G. D., 56-5-1o/46
Il'in, K. I., Fadeyev, V. I.

TITLE: The Decay Scheme of Tl^{2o8} (Skhema raspada Tl^{2o8})

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1957, Vol. 33 Nr 5, pp. 1144-1146 (USSR)

ABSTRACT: The γ conversion spectrum of Tl^{2o8} was ploted by means of a semicircle spectrometer and the following γ lines were found:

E_γ in KeV	Multipole order	Intensity in %
211,4	M1	0,32
233,4	M1	0,34
252,54	M1	1,1
277,35	M1	8,4
485,9	-	0,5
51o,84	-	22,6
583,2	E2	83,2
763,2	M1	2
86o,5	M1	12,3
2614,3	E3	1oo

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The Decay Scheme of Tl^{208}.

56-5-10/46

The above line can be arranged in a level scheme of Pb^{208} which shows the following level in KeV (spin and parity are given in parenthesis):

0	(0+)
2614	(3-)
3198	(5-)
3475	(4-)
3708	(5-)
3961	(6-)
Tl^{208}	(5+)

There are 1 table, 1 figure, and 15 references, 6 of which are Slavic.

ASSOCIATION: Leningrad Institute for Railroad Transport Engineers (Leningradskiy institut inzhenerov zheleznodorozhnogo transporta)

SUBMITTED: May 29, 1957

AVAILABLE: Library of Congress

Card 2/2

IL'IN, K.M.

Resources of keramzit in the Krasnoyarsk Territory. Mat. po geol. i pol.iskop.Kras.kraia no.3:197-202 '62. (MIRA 17:2)

KURZON, A.G.; STAROSTENKO, A.Kh.; NEZHLUKTO, V.Ya.; PASENKO, I.A.; BYKOV, Yu.V.; VOL'PER, Ye.I.; GITEL'MAN, A.I.; GOL'DBERG, F.I.; IL'IN, K.M.; SAVITSKIY, T.A.

Principal results of testing the Soviet gas turbine plant (GTU-20) for seagoing vessels. Sudostroenie no.7:22-36 Jl '65. (MIRA 18:8)

IL'IN, K. P.

Il'in, K. P.

"Investigation of the Causes of Inaccuracy and Inconsistency in the Readings of Freight-Car Weights." Min Railways USSR. All-Union Sci Res Inst of Railroad Transport. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 27, 2 July 1955

IL'IN, K.P.

IL'IN, K.P., kand.tekhn.nauk; ROSTOVSKAYA, Ye.P., inzh.

On the utility of using differentiated norms of accuracy in weighing freight. Vest. TSNII MPS 16 no.8:45-47 D '57. (MIRA 11:1)
(Railroads--Freight)

IL'IN, K.P., kand. tekhn. nauk.

Obsolete directive on determining the weight of freight. Zhel. dor. transp. 40 no.2:82 F '58. (MIRA 11:3)

(Railroads--Freight)

IL'IN, Konstantin Pavlovich; PANOV, V.I., red.; BOBROVA, Ye.N., tekhn.red.

[Railroad scales and weighing] Vesovoe khoziaistvo zheleznykh dorog. Izd. 2-e, ispr. i dop. Moskva, Gos. transp.zhel-dor. izd-vo, 1958. 231 p. (MIRA 11:4)
(Weighing-machines)
(Railroads--Equipment and supplies)

IL'IN, K.P., kand.tekhn.nauk

Special aspects of determining the weight of trains on open-pit mine railroads. Vest. TSNII MPS 19 no.3:50-54 '60. (MIRA 13:10)
(Mine railroads)

IL'IN, K.P., kand.tekhn.nauk, FLADIS, F.A., inzh.

Efficient methods of freight weighing. Zhel.dor.transp. 42 no.12:69-72 D '60. (MIRA 13:12)

(Railroads—Freight)

IL'IN, K.P., kand.tekhn.nauk; PLADIS, F.A., inzh.; ROSTOVSKAYA, Ye.P., inzh.; VOVCHENKO, P.I., inzh.; Prinimali uchastiye: GORBENKO, L.G., inzh.; SHESTAKOV, Yu.K., inzh.; LABADIN, S.I., inzh., retsenzent; MALAKHOV, K.N., inzh., retsenzent; PETROVA, V.L., inzh., red.; BOBROVA, Ye.N., tekhn.red

[Methods of determining freight weight] Sposoby opredeleniia vesa gruzov. Moskva, Vses.izdatel'skopoligr.ob"edinenie M-va putei soob., 1961. 117 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.215) (MIRA 15:1)

(Railroads—Freight)
(Weighing machines)

IL'IN, K.P., kand.tekhn.nauk; PLADIS, F.A., inzh.

Technical and economic evaluation of the various methods of determining freight weight. Vest. TSNII MPS 20 no.2:46-49 '61. (MIRA 14:3)

(Railroads--Freight) (Weighing machines)

IL'IN, Konstantin Pavlovich, kand. tekhn. nauk; SHISHKIN, Nifont Ivanovich, inzh.; GAUZNER, S.I., inzh., retsenzent; SHISHLYKOV, Ye.S., inzh., red.; KHITROVA, N.A., tekhn. red.

[Manual on freight weighing]Spravochnik po vesovomu khozyaistvu. Moskva, Transzheldorizdat, 1962. 319 p. (MIRA 15:11)

(Weighing machines) (Railroads—Freight)

IL'IN, K.P., kand.tekhn.nauk

Efficiency of the specialization of box cars. Vest.TSNII MPS 23 no.2:48-51 '64. (MIRA 17:3)

IL'IN, K.P., kand.tekhn.nauk; VINOGRADOV, G.P., kand.tekhn.nauk

Efficacity of the specialization of freight cars. Zhel.dor. transp. 46 no.12:17-22 D '64. (MIRA 19:1)

IL'IN, K.P., kand. tekhn. nauk; KHAPILOV, Yu.A., kand. tekhn. nauk; SHESTAKOV, Yu.K., inzh.

Specialization of gondola cars is an efficient measure. Zhel. dor. transp. 47 no. 11:22-26 N '65 (MIRA 19:1)

IL'IN, K.S.

IL'IN,S.S.; IL'IN,K.S.; KAZAKOV,V.A., redaktor; FUTORYAN,S.B., kandidat tekhnicheskikh nauk, redaktor; ZUDAKIN,I.M., tekhnicheskiy redaktor

[Our method of combining lathe operations in turning out spare parts] Nash metod kombinirovaniia operatsii pri tokarnoi obrabotke detalei. Pod red.V.A.Kazakova. Moskva, Gos.izd-vo obor.promysh., 1955.47 p. (MLRA 9:1)
(Lathes)

IL'IN, Sergey Semenovich, tokar'; IL'IN, Konstantin Semenovich, tokar'; SHLEPINA, M.M., redaktor; KAKOV, S.I., tekhnicheskiy redaktor

[Combining operations in machining parts] Kombinirovanie operatsii pri tokarnoi obrabotke detalei. [Moskva] Izd-vo VTsSPS Profizdat, 1956. 53 p. (MLRA 10:1)

1. Moskovskii priborostroitel'nyy zavod (for Il'in, S.; Il'in, K.)
(Turning)

IL'IN, S.S.; IL'IN, I.S.

Method of combining operations in instrument making. Priborostroenie no.3:29-31 Mr '56. (MLRA 9:8)
(Intstrument industry)

IL'IN, K.V.; ORLOV, A.K.; SINYAGIN, Yu.A.

Achievements of a collective. Put' i put. khoz. 9 no.2:8-9 '65.
(MIRA 18:7)

1. Zamestitel' nachal'nika Tashkentskoy distantsii Sredneaziatskoy dorogi (for Il'in). 2. Pomoshchnik nachal'nika Tashkentskoy distantsii Sredneaziatskoy dorogi pl kadram (for Orlov). 3. Nachal'nik uchastka puti, stantsiya Tashkent, Sredneaziatskoy dorogi (for Sinyagin).

IL'IN, K.V.

History of leprosy control (Armauer Hansen; on the 50th anniversary of his death). Zhur. mikrobiol., epid. i imm. 41 no. 2:151-153 F '64. (MIRA 17:9)

1. Tsentral'nyy nauchno-issledovatel'skiy kozhno-venerologicheskiy institut i Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

IL'IN, K.Ye., Cand Agr Sci—(diss) "Full-value nutrition ~~on~~ a basis for ~~the increase of the~~ passing milk yield, milk-fat ~~fatty~~ content ~~of milk~~, and ~~for a prolonged preservation~~ the long maintenance of highly productive cows." Mos, 1958.

19 pp (Min of Agr USSR. Mos Vet Acad), 170 copies (KL,22-58,111)

ILIN, L.

USSR/Biology - Preservation of Food Jan 52

"Dehydration of Food Products," L. Il'yin

"Nauka i Zhizn'" Vol XIX, No 1, p 32

On the basis of work done by Prof A. V. Lykov, Laureate of Stalin Prize, a new method of drying food products has been developed at the All-Union Sci Res Inst of Vitamins. The food products are dried in high vacuum, while at the same time, evapn of the water content freezes them. Flavor, appearance, vitamin content, etc., are preserved

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USSR/Biology - Preservation of Food (Contd) Jan 52

perfectly. The Power-Mech Lab of the Institute (directed by I. M. Khokhlov) participated in the work. The new method will be applied extensively in the food industries.

20375

IL'IN, L.

Kursk Magnetic Anomaly reveals underground storerooms. NTO 5 no.6: 40-42 Je '63. (MIRA 16:9)

1. Spetsial'nyy korrespondent zhurnala "Nauchno-tekhnicheskiye obshchestva SSSR.

IL'IN, L. (Kursk)

Leaders in the major chemical industrial complexes. NTO 5 no.12: 15-17 D '63. (MIRA 17:8)

1. Spetsial'nyy korrespondent zhurnala "Nauchno-tekhnicheskiye obshchestva SSSR".

ACC NR: AP7001226 (N,A) SOURCE CODE: UR/0401/66/000/012/0014/0015

AUTHOR: Il'in, L. (Major)

ORG: none

TITLE: Low-flying target

SOURCE: Starshina-serzhant, no. 12, 1966, 14-15

TOPIC TAGS: antiaircraft WEAPON, aerial target, target tracking

ABSTRACT: In this article it is stated that the first opening of fire upon the unexpected appearance of low-flying, short-range targets from the 57-mm automatic antiaircraft gun is carried out by a semiautomatic method. During training with actual targets (aircraft), it is necessary to turn the weapon 60—90° from the aircraft's direction of flight before feeding the target information to the weapon. It is also mentioned that during tactical exercises the antiaircraft-gun crew gives attention to the problem of opening fire at low-altitude targets during a short stop. [SW]

SUB CODE: 15/ SUBM DATE: none/

Card 1/1 UDC: none

IL'IN, L.A.

Effectiveness of certain compounds in the causal treatment of acute poisoning by radioactive yttrium. Med. rad. 4 no.5:72-76 My '59.
(MIRA 12:7)
(YTTRIUM, radioactive
exper. pois., eff. of various cpds. in elimination in rats (Rus))

SOV/89-6-6-16/27

21(8)

AUTHORS: Dolgopol'skaya, M. A., Il'in, L. A., Puzanov, I. A., Tsenev, V. A.

TITLE: The Application of Radioactive Isotopes in Fighting Fouling at Sea (Primeneniye radioaktivnykh izotopov v bor'be s obrastaniyami v more)

PERIODICAL: Atomnaya energiya, 1959, Vol 6, Nr 6, pp 674-676 (USSR)

ABSTRACT: The present "Letter to the Editor" deals with the experimental verification of the possibility of protecting ships and other objects exposed to sea water by a coating which contains radioactive ingredients against being overgrown by marine microorganisms and plants. Already in 1955 V. A. Tsenev suggested the use of β-active isotopes for this purpose. For their experiments the authors used the β-active isotope Y^{91} (dissolved in 3N HCl) the β-particles of which have a range of $\sim$ 8 mm in water. A 120.40 mm large and 2.5 mm thick glass plate was coated with a film of the radioactive solution (Y^{91} with water of diluted polyvinyl acetate emulsion). After heating to 60° with subsequent cooling to 20° the surface of the plate was covered by three layers of ethinol varnish and

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PKhV-70 varnish (Fig 1). The entire thickness of the coatings was 35±3 mg/cm^2. The results of the surface activity measurements of 4 test plates are listed in a table. The plates as well as the control plates were lowered into the sea to a depth of 1 m 40 m off shore (at that place the sea was 3 m deep). Figure 1 shows such a plate before the lowering into the sea water and figure 2 shows a plate with neutral surface (a) and another one with activated surface (b) which were subjected to the action of the sea water for 10 days. Barnacles were observed on both plates. A further experiment was carried out for 61 days. The control plate and the neutral parts of the test plates were covered with a layer of a thickness of 25 mm, the active surface remained uncovered. A third experiment which (November 16, 1957) lasted for 102 days, and in the course of which the surface activity decreased to less than one third, showed that the activated surface was still free from

overgrowths. Figure 3 shows the photographs of three plates (see Table) after 102 days in sea water. For the application of such protective coatings above all long lived β-emitters are suggested; besides Y^{91} mainly Tl^{204} (T = 2.7 a), Ru^{106} - Rh^{106} (360 d), Ce^{144} - Pr^{144} (288 d). There are 3 figures and 1 table.

SUBMITTED: August 19, 1958

ILIN, L.A. (Leningrad)

Contamination of the skin with radioactive substances, and comparative effectiveness of some detergents. Gig. truda i prof. zab. 4 no.3:28-32 Mr '60. (MIRA 15:4)

(RADIOACTIVE SUBSTANCES--SAFETY MEASURES)
(CLEANING COMPOUNDS)

IL'IN, L.A.; NORETS, T.A.; ARKHANGEL'SKAYA, G.V.; SHCHERBAN', E.I.

Effect of complex-forming substances on the magnitude of the tissue dose of radiation in the kidneys following administration of radioactive substances. Med. rad. 8 no.12:43-47 D '63. (MIRA 17:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta radiatsionnoy gigiyeny Ministerstva zdravookhraneniya RSFSR i TSentral'nogo nauchno-issledovatel'skogo instituta med. tsinskoy radiologii.

IL'IN, L.A.; LUKASH, N.I.; NORETS, T.A.

Effectiveness of diethylenetriaminpentaacetic acid in internal injury by the absolute lethal dose of cerium-144. Radiobiologiia 4 no.3:435-439 '64. (MIRA 17:11)

1. Leningradskiy nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny Ministerstva zdravookhraneniya RSFSR.

BOKK, M.I.; IL'IN, L.A.

Searching for preparations reducing thallium-204 absorption by the gastrointestinal tract. Radiobiologiia 5 no.3:434-439 '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny, Leningrad.

IL'IN, L.A.; ARKHANGEL'SKAYA, O.V.; NORETS, T.A.

Comparative effectiveness of some complex-forming agents on the more rapid excretion of Zn^{35} from the organism. Radiobiologia 4 no.6:926-927 '64. (MIRA 18:7)

1. Leningradskiy nauchno-issledovatel'skiy institut radiatsionnoy gigiyeny.

LOBKOVA, N.A. (Kiyev); IL'IN, L.A. (Kiyev)

Theory of thin nonuniform plates. Prikl. mekh. 1 no.8: 30-39 '65. (MIRA 18:9)

1. Institut mekhaniki AN UkrSSR.

IL'IN, L. A.

IL'IN, L. A. — "Anti-Symmetrical Deformation of a Thin Conic Membrane." Acad Sci Ukrainian SSR. Inst of Structural Mechnaics. Kiev, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

No 1

SO: Knizhnaya Letopis', 1956, pp 102-122, 124